

AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions and listings of claims in the application.

1. (currently amended) A system for two-way radio communication comprising:

- (a) a first two-way radio comprising:
 - (i) a means for selecting and transmitting a signal code to said a base/repeater station; and
 - (ii) a means for sending two-way radio communication signals to a said base/repeater station;
 - (iii) a means for receiving two-way radio communication signals from a said base/repeater station;
- (b) a said base/repeater station comprising:
 - (i) a base/repeater station decoder at said base/repeater station for decoding the signal code from said first two-way radio into a signal that ~~can be~~ is recognized by a base/repeater station controller located at the base/repeater station and transferring said signal to said base/repeater station controller via a dedicated connection; and
 - (ii) wherein said base/repeater station controller comprises a means for receiving said decoded signal from said base/repeater station decoder and correlating said decoded signal to one or more internet addresses associated with at least one said target base station by

which there is established a bi-directional computer network link with at least one target station using said internet address for the exchange of two-way radio communication signals and a means for establishing a bi-directional computer network link with said at least one target station using said internet address for the exchange of two-way radio communication signals;

- (iii) wherein said base/repeater station further comprises a means for sending and receiving two-way radio communications signals to and from said first two-way radio;
- (c) at least one said target base station comprising:
 - (i) a target station controller located at said target base station comprising a means for establishing a bi-directional computer network link with said base/repeater station for two-way radio communication signals;
 - (ii) wherein said target station further comprises a means for sending and receiving two-way radio communication signals to and from a second two-way radio; and
- (d) at least one second two-way radio comprising:
 - (i) a means for receiving two-way radio communication signals from a at least one said target base station; and
 - (ii) a means for sending two-way radio communication signals to a at least one said target base station; and

(e) whereby two-way radio communication signals ~~can be~~ are bi-directionally exchanged directly between said first two-way radio and said second two-way radio via said bi-directional computer network link directly between said base/repeater station controller and said target station controller.

2. (original) A system as defined in Claim 1 wherein said means for selecting a signal code to said base/repeater station is a keypad device.

3. (previously presented) A system as defined in Claim 1 wherein said means for selecting a signal code to said base/repeater station is a channel selector device.

4. (previously presented) A system as defined in Claim 1 wherein said signal code is selected from the group consisting of the following signaling methods: DCS (Digitally Code Squelch), CTCSS (Continuous Tone Coded Squelch), DTMF (Dual-Tone Multi-Frequency) or any combination thereof.

5. (original) A system as defined in Claim 1 wherein said signaling method comprises a modulated RF carrier.

6. (previously presented) A system as defined in Claim 1 wherein said signal code is selected from the group consisting of the following communication protocols: LTR (Logic Trunked Radio), MPT-1327 (Ministry of Post and Telecommunications-1327), EDACS (Enhanced Digital Access Control System), conventional (non-trunked) or any combination thereof.

7. (original) A system as defined in Claim 1 wherein said base/repeater station means for correlating the signal to one or more internet addresses associated with a target station is a computer based radio controller that contains a relational data base.

8. (previously presented) A system as defined in Claim 1 wherein the Internet address is an IP address.

9. (previously presented) A system as defined in Claim 1 wherein said means for establishing a bi-directional computer network link with one or more target base/repeater stations is a voice communication system selected from a group consisting of conventional, trunked radio systems or combinations thereof.

10. (previously presented) A system as defined in Claim 1 wherein said target station further comprises a target station decoder for decoding a signal code from said second two-way radio into a signal that can be recognized by a base/repeater station controller and for transferring said signal to said base/repeater station controller; and wherein said target station controller further comprises a means for receiving a decoded signal from said target station decoder and correlating said decoded signal into one or more internet addresses associated with one or more base/repeater stations and a means for establishing a bi-directional computer network link with said at least one base/repeater station for the exchange of communication signals using said internet address; and wherein said at least one second two-way radio is further comprised of a means for selecting and transmitting a signal code to a target station.

11. (currently amended) A method for exchanging two-way radio communication signals between two-way radios via a bi-directional computer network link directly between base/repeater and target stations, said method comprising:

- (a) transmitting a signal code and two-way radio communication signals from a two-way radio to a base/repeater station having a controller located at the base/repeater station;

- (b) decoding said signal code and correlating said decoded signal code at said base/repeater station location to one or more internet addresses and establishing a bi-directional computer network link with at least one target station using said internet address to exchange two-way radio communication signals;
- (c) establishing a bi-directional computer network link directly between said base/repeater station and a at least one target station having a controller at the target station through said internet address;
- (d) transmitting two-way radio communication signals over said computer network link directly to at least one said target station;
- (e) transmitting said two-way radio communication signals from said target station to a second two-way radio;
- (f) transmitting two-way radio communication signals from said second two-way radio to said target station;
- (g) transmitting two-way radio communication signals from said target station over said computer network link directly to said base/repeater station; and
- (h) transmitting two-way radio communication signals from said base/repeater station to said first two-way radio.

12. (original) A method as defined in Claim 11 wherein said signal code is selected on a keypad device.

13. (original) A method as defined in Claim 11 wherein said signal code is selected on a channel selector device.

14. (previously presented) A method as defined in Claim 11 wherein said signal code is selected from the group consisting of the following signaling methods: DCS (Digitally Code Squelch), CTCSS (Continuous Tone Coded Squelch), DTMF (Dual-Tone Multi-Frequency) or any combination thereof.

15. (previously presented) A method as defined in Claim 11 wherein said signal code is selected from the group consisting of the following communication protocols: LTR_(Logic Trunked Radio), MPT-1327 (Ministry of Post and Telecommunications-1327), EDACS (Enhanced Digital Access Control System), or any combination thereof.

16. (original) A method as defined in Claim 11 wherein said signal code is correlated to one or more internet addresses associated with a target station by a radio controller using a computer based relational data base and a suitable decoder.

17. (original) A method as defined in Claim 11 wherein the Internet address is an IP address.

18. (previously presented) A method as defined in Claim 11 wherein said bi-directional computer network link with one or more target base/repeater stations is established by a voice communication system selected from the group consisting of trunked, conventional radio systems or a combination thereof.